

ABSTRACT OF THE DISCLOSURE

An optical path setting method sets a two-way current optical path on the same route between two nodes, and sets a two-way spare optical path on a route 5 reverse to the current optical path. The optical path accommodation efficiency is increased by sharing one spare optical path among a plurality of current optical paths having different routes. When a trouble occurs, a current optical path is switched to a spare optical 10 path in a signaling-less manner at high speed.